

1/Fwo

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/651,584C

CRF Edit Date: 9/1/04
Edited by: [signature]



___ Corrected the SEQ ID NO. Sequence numbers edited were:

___ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

___ Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

___ Inserted mandatory headings/numeric identifiers, specifically:

"SEQUENCE LISTING" at beginning of file

___ Moved responses to same line as heading/numeric identifier, specifically:

___ Other:



IFWO

RAW SEQUENCE LISTING

DATE: 09/01/2004

PATENT APPLICATION: US/10/651,584C

TIME: 11:16:23

Input Set : A:\PTO.AMC.TXT

Output Set: N:\CRF4\09012004\J651584C.raw

3 <110> APPLICANT: Lauermann, Vit
 5 <120> TITLE OF INVENTION: Targeted release
 W--> 7 <130> FILE REFERENCE:
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/651,584C
 11 <141> CURRENT FILING DATE: 2003-08-30
 13 <160> NUMBER OF SEQ ID NOS: 111
 16 <210> SEQ ID NO: 1
 18 <211> LENGTH: 7
 20 <212> TYPE: PRT
 22 <213> ORGANISM: Unknown
 24 <220> FEATURE:
 26 <223> OTHER INFORMATION: mammalian, peptide specifically cleavable by a reagent
 produced by
 27 a target cell
 29 <400> SEQUENCE: 1
 31 Ser Met Ser Ile Ala Arg Leu
 32 1 5
 34 <210> SEQ ID NO: 2
 36 <211> LENGTH: 13
 38 <212> TYPE: PRT
 40 <213> ORGANISM: Unknown
 42 <220> FEATURE:
 44 <223> OTHER INFORMATION: mammalian, peptide specifically cleavable by a reagent
 produced by
 45 a target cell
 48 <400> SEQUENCE: 2
 50 Ser Lys Gly Ser Phe Ser Ile Gln Tyr Thr Tyr His Val
 51 1 5 10
 53 <210> SEQ ID NO: 3
 55 <211> LENGTH: 13
 57 <212> TYPE: PRT
 59 <213> ORGANISM: Unknown
 61 <220> FEATURE:
 63 <223> OTHER INFORMATION: mammalian, peptide specifically cleavable by a reagent
 produced by
 64 a target cell
 66 <400> SEQUENCE: 3
 68 His Leu Gly Gly Ser Gln Gln Leu Leu His Asn Lys Gln
 69 1 5 10
 72 <210> SEQ ID NO: 4
 74 <211> LENGTH: 14
 76 <212> TYPE: PRT
 78 <213> ORGANISM: Unknown
 80 <220> FEATURE:

82 <223> OTHER INFORMATION: mammalian, peptide specifically cleavable by a reagent
produced by
83 a target cell

RAW SEQUENCE LISTING

DATE: 09/01/2004

PATENT APPLICATION: US/10/651,584C

TIME: 11:16:23

Input Set : A:\PTO.AMC.TXT

Output Set: N:\CRF4\09012004\J651584C.raw

85 <400> SEQUENCE: 4

87 Ser Lys Gly Lys Gly Thr Ser Ser Gln Tyr Ser Asn Thr Glu

88 1 5 10

91 <210> SEQ ID NO: 5

93 <211> LENGTH: 8

95 <212> TYPE: PRT

97 <213> ORGANISM: Unknown

99 <220> FEATURE:

101 <223> OTHER INFORMATION: mammalian, peptide specifically cleavable by a reagent
produced by

102 a target cell

104 <400> SEQUENCE: 5

106 Asp Arg Val Tyr Ile His Pro Phe

107 1 5

110 <210> SEQ ID NO: 6

112 <211> LENGTH: 12

114 <212> TYPE: PRT

116 <213> ORGANISM: Unknown

118 <220> FEATURE:

120 <223> OTHER INFORMATION: mammalian, peptide specifically cleavable by a reagent
produced by

121 a target cell

123 <400> SEQUENCE: 6

125 Val Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro

126 1 5 10

129 <210> SEQ ID NO: 7

131 <211> LENGTH: 7

133 <212> TYPE: PRT

135 <213> ORGANISM: Unknown

137 <220> FEATURE:

139 <223> OTHER INFORMATION: mammalian, peptide specifically cleavable by a reagent
produced by

140 a target cell

142 <400> SEQUENCE: 7

144 Phe Phe Tyr Thr Pro Lys Ala

145 1 5

148 <210> SEQ ID NO: 8

150 <211> LENGTH: 9

152 <212> TYPE: PRT

154 <213> ORGANISM: Unknown

156 <220> FEATURE:

158 <223> OTHER INFORMATION: mammalian, peptide specifically cleavable by a reagent
produced by

159 a target cell

161 <400> SEQUENCE: 8

163 Lys Arg Arg Pro Val Lys Val Tyr Pro

164 1 5

167 <210> SEQ ID NO: 9

169 <211> LENGTH: 12

171 <212> TYPE: PRT

173 <213> ORGANISM: Unknown

175 <220> FEATURE:

177 <223> OTHER INFORMATION: mammalian, peptide specifically cleavable by a reagent

produced by

RAW SEQUENCE LISTING

DATE: 09/01/2004

PATENT APPLICATION: US/10/651,584C

TIME: 11:16:23

Input Set : A:\PTO.AMC.TXT

Output Set: N:\CRF4\09012004\J651584C.raw

```

178      a target cell
180 <400> SEQUENCE: 9
182 Pro Val Gly Lys Lys Arg Arg Pro Val Lys Val Tyr
183 1          5          10
186 <210> SEQ ID NO: 10
188 <211> LENGTH: 12
190 <212> TYPE: PRT
192 <213> ORGANISM: Unknown
194 <220> FEATURE:
196 <223> OTHER INFORMATION: mammalian, peptide specifically cleavable by a reagent
produced by
197      a target cell
199 <400> SEQUENCE: 10
201 Lys Pro Val Gly Lys Lys Arg Arg Pro Val Lys Val
202 1          5          10
205 <210> SEQ ID NO: 11
207 <211> LENGTH: 12
209 <212> TYPE: PRT
211 <213> ORGANISM: Unknown
213 <220> FEATURE:
215 <223> OTHER INFORMATION: mammalian, peptide specifically cleavable by a reagent
produced by
216      a target cell
218 <400> SEQUENCE: 11
220 Gly Lys Pro Val Gly Lys Lys Arg Arg Pro Val Lys
221 1          5          10
224 <210> SEQ ID NO: 12
226 <211> LENGTH: 13
228 <212> TYPE: PRT
230 <213> ORGANISM: Unknown
232 <220> FEATURE:
234 <223> OTHER INFORMATION: mammalian, peptide specifically cleavable by a reagent
produced by
235      a target cell
237 <400> SEQUENCE: 12
239 Thr Phe Ala Gly Asn Ala Val Arg Arg Ser Val Gly Gln
240 1          5          10
243 <210> SEQ ID NO: 13
245 <211> LENGTH: 6
247 <212> TYPE: PRT
249 <213> ORGANISM: Unknown
251 <220> FEATURE:
253 <223> OTHER INFORMATION: mammalian, peptide specifically cleavable by a reagent
produced by
254      a target cell
w--> 255 <400> SEQUENCE: 13
257 Pro Leu Gly Leu Trp Ala
258 1          5
261 <210> SEQ ID NO: 14
263 <211> LENGTH: 5
265 <212> TYPE: PRT
267 <213> ORGANISM: Unknown
269 <220> FEATURE:

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RAW SEQUENCE LISTING

DATE: 09/01/2004

PATENT APPLICATION: US/10/651,584C

TIME: 11:16:23

Input Set : A:\PTO.AMC.TXT

Output Set: N:\CRF4\09012004\J651584C.raw

271 <223> OTHER INFORMATION: mammalian, peptide specifically cleavable by a reagent
roduced by

272 a target cell

274 <400> SEQUENCE: 14

276 Pro Leu Phe Tyr Ser

277 1 5

280 <210> SEQ ID NO: 15

282 <211> LENGTH: 5

284 <212> TYPE: PRT

286 <213> ORGANISM: Unknown

288 <220> FEATURE:

290 <223> OTHER INFORMATION: mammalian, peptide specifically cleavable by a reagent
roduced by

291 a target cell

293 <400> SEQUENCE: 15

295 Pro Arg Thr Leu Thr

296 1 5

299 <210> SEQ ID NO: 16

301 <211> LENGTH: 5

303 <212> TYPE: PRT

305 <213> ORGANISM: Unknown

307 <220> FEATURE:

309 <223> OTHER INFORMATION: mammalian, peptide specifically cleavable by a reagent
roduced by

310 a target cell

312 <400> SEQUENCE: 16

314 Pro Leu Arg Leu Ser

315 1 5

318 <210> SEQ ID NO: 17

320 <211> LENGTH: 6

322 <212> TYPE: PRT

324 <213> ORGANISM: Unknown

326 <220> FEATURE:

328 <223> OTHER INFORMATION: mammalian, peptide specifically cleavable by a reagent
roduced by

329 a target cell

331 <400> SEQUENCE: 17

333 His Ser Ser Lys Leu Gln

334 1 5

337 <210> SEQ ID NO: 18

339 <211> LENGTH: 6

341 <212> TYPE: PRT

343 <213> ORGANISM: Unknown

345 <220> FEATURE:

347 <223> OTHER INFORMATION: mammalian, peptide specifically cleavable by a reagent
roduced by

348 a target cell

350 <400> SEQUENCE: 18

352 Ser Gln Tyr Ser Asp Thr

353 1 5

356 <210> SEQ ID NO: 19

358 <211> LENGTH: 7

360 <212> TYPE: PRT

362 <213> ORGANISM: Unknown

RAW SEQUENCE LISTING

DATE: 09/01/2004

PATENT APPLICATION: US/10/651,584C

TIME: 11:16:23

Input Set : A:\PTO.AMC.TXT

Output Set: N:\CRF4\09012004\J651584C.raw

364 <220> FEATURE:

366 <223> OTHER INFORMATION: mammalian, peptide specifically cleavable by a reagent
produced by

367 a target cell

369 <400> SEQUENCE: 19

371 Gln Phe Tyr Ser Ser Asn Lys

372 1 5

375 <210> SEQ ID NO: 20

377 <211> LENGTH: 12

379 <212> TYPE: PRT

381 <213> ORGANISM: Unknown

383 <220> FEATURE:

385 <223> OTHER INFORMATION: mammalian, peptide specifically cleavable by a reagent
produced by

386 a target cell

388 <400> SEQUENCE: 20

390 Val Ser Gln Asn Tyr Pro Ile Val Glu Asn Phe Asn

391 1 5 10

394 <210> SEQ ID NO: 21

396 <211> LENGTH: 12

398 <212> TYPE: PRT

400 <213> ORGANISM: Unknown

402 <220> FEATURE:

404 <223> OTHER INFORMATION: mammalian, peptide specifically cleavable by a reagent
produced by

405 a target cell

407 <400> SEQUENCE: 21

409 Ser Lys Ala Arg Val Leu Ala Glu Ala Met Ser Asn

410 1 5 10

413 <210> SEQ ID NO: 22

415 <211> LENGTH: 12

417 <212> TYPE: PRT

419 <213> ORGANISM: Unknown

421 <220> FEATURE:

423 <223> OTHER INFORMATION: mammalian, peptide specifically cleavable by a reagent
produced by

424 a target cell

426 <400> SEQUENCE: 22

428 Ser Ile Arg Lys Ile Leu Phe Leu Asp Gly Ile Asn

429 1 5 10

432 <210> SEQ ID NO: 23

434 <211> LENGTH: 12

436 <212> TYPE: PRT

438 <213> ORGANISM: Unknown

440 <220> FEATURE:

442 <223> OTHER INFORMATION: mammalian, peptide specifically cleavable by a reagent
produced by

443 a target cell

445 <400> SEQUENCE: 23

447 Ser Ala Pro Gln Val Leu Pro Val Met His Pro Asn

448 1 5 10

451 <210> SEQ ID NO: 24

453 <211> LENGTH: 11

455 <212> TYPE: PRT

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/651,584C

DATE: 09/01/2004
TIME: 11:16:24

Input Set : A:\PTO.AMC.TXT
Output Set: N:\CRF4\09012004\J651584C.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:83; Xaa Pos. 7
Seq#:84; Xaa Pos. 8
Seq#:85; Xaa Pos. 9
Seq#:86; Xaa Pos. 2,4,7
Seq#:87; Xaa Pos. 5
Seq#:88; Xaa Pos. 2,4
Seq#:96; Xaa Pos. 12

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:58; Line(s) 1115
Seq#:110; Line(s) 2141,2144,2147
Seq#:111; Line(s) 2166

VERIFICATION SUMMARY

DATE: 09/01/2004

PATENT APPLICATION: US/10/651,584C

TIME: 11:16:24

Input Set : A:\PTO.AMC.TXT

Output Set: N:\CRF4\09012004\J651584C.raw

:7 M:201 W: Mandatory field data missing, <130> FILE REFERENCE
:9 M:270 C: Current Application Number differs, Replaced Current Application Number
:255 M:283 W: Missing Blank Line separator, <400> field identifier
:1589 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:83
:1598 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83 after pos.:0
:1612 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:84
:1621 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84 after pos.:0
:1635 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:85
:1644 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85 after pos.:0
:1658 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:86
:1667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86 after pos.:0
:1682 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:87
:1691 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87 after pos.:0
:1705 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:88
:1714 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88 after pos.:0
:1862 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:96
:1871 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:0



IFWO

RAW SEQUENCE LISTING

DATE: 09/01/2004

PATENT APPLICATION: US/10/651,584C

TIME: 11:05:06

Input Set : A:\I651584.txt

Output Set: N:\CRF4\09012004\J651584C.raw

1 <110> APPLICANT: Lauermann, Vit
 3 <120> TITLE OF INVENTION: Targeted release
 --> 5 <130> FILE REFERENCE:
 --> 7 <140> CURRENT APPLICATION NUMBER: US/10/651,584C
 9 <141> CURRENT FILING DATE: 2003-08-30
 11 <160> NUMBER OF SEQ ID NOS: 111

ERRORED SEQUENCES

2148 <210> SEQ ID NO: 111
 2150 <211> LENGTH: 50
 2152 <212> TYPE: PRT
 2154 <213> ORGANISM: Artificial Sequence
 2156 <220> FEATURE:
 2158 <223> OTHER INFORMATION: Peptide dimer linked by polyglycine serine linker
 containing PSA
 2159 cleavage site specifically cleavable by PSA
 2161 <400> SEQUENCE: 111
 2163 Gly Tyr Lys Asp Pro Pro Phe Cys Val Ala Pro Leu Asp Pro Gln Phe
 2164 1 5 10 15
 2166 Tyr Ser Ser Asn Lys Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
 2167 20 25 30
 2169 Gly Gly Gly Ser Gly Tyr Lys Asp Pro Pro Phe Cys Val Ala Pro Leu
 2170 35 40 45
 2172 Asp Pro
 2173 50
 --> 2174 (50)

Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/01/2004
PATENT APPLICATION: US/10/651,584C TIME: 11:05:07

Input Set : A:\!651584.txt
Output Set: N:\CRF4\09012004\J651584C.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

eq#:58; Line(s) 1113
eq#:110; Line(s) 2139,2142,2145
eq#:111; Line(s) 2164

VERIFICATION SUMMARY

DATE: 09/01/2004

PATENT APPLICATION: US/10/651,584C

TIME: 11:05:07

Input Set : A:\1651584.txt

Output Set: N:\CRF4\09012004\J651584C.raw

L:5 M:201 W: Mandatory field data missing, <130> FILE REFERENCE
L:7 M:270 C: Current Application Number differs, Replaced Current Application Number
L:253 M:283 W: Missing Blank Line separator, <400> field identifier
L:1587 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:83
L:1596 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83 after pos.:0
L:1610 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:84
L:1619 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84 after pos.:0
L:1633 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:85
L:1642 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85 after pos.:0
L:1656 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:86
L:1665 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86 after pos.:0
L:1680 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:87
L:1689 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87 after pos.:0
L:1703 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:88
L:1712 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88 after pos.:0
L:1860 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:96
L:1869 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:0
L:2174 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:111